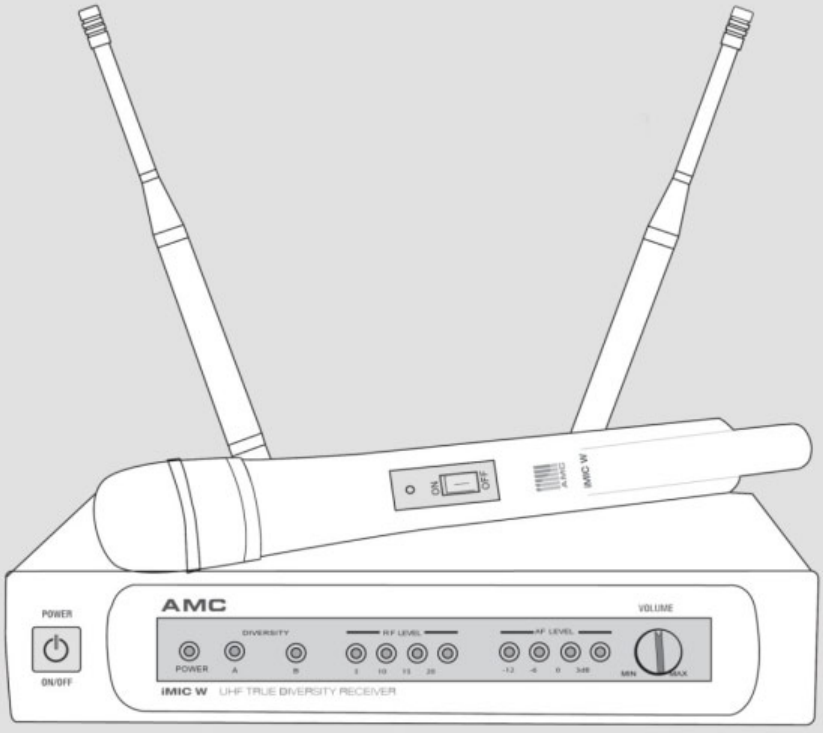
iMic W UHF WIRELESS SYSTEM



User Manual

The New iMic W series of AMC Wireless systems created for active musician and presenters who also manage their own sound, AMC iMic W improves your performance and simplifies your setup. iMic W wireless microphone system deliver the crystal clear sound quality that pro audio engineers trust.

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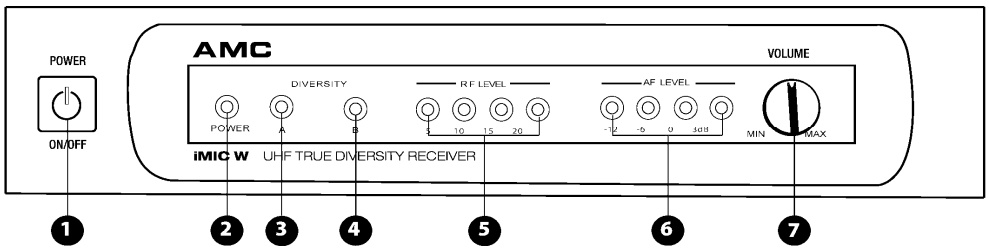
System components

All system includes:

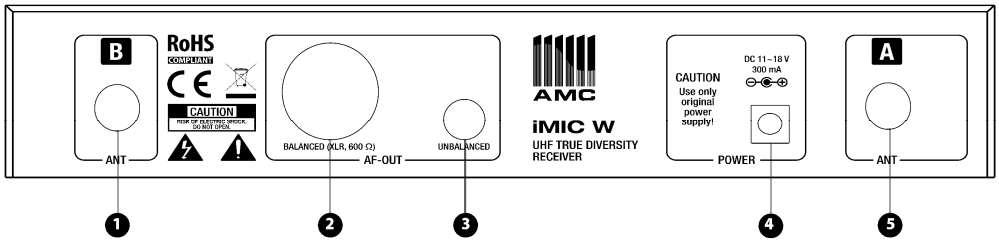
❶ Receiver
❷ Handheld transmitter
❷ 2 AA batteries
❸ 1/4 jack audio connecting cable
❹ Power supply
❺ 2 antennas
❻ User manual

Front panel



❶ Power switch
❷ Power indicator
❸ LED indicator for antenna A
❹ LED indicator for antenna B
❺ RF level indicators
❻ AF level indicators
❼ Volume control knob

Rear panel



❶ Antenna B connector

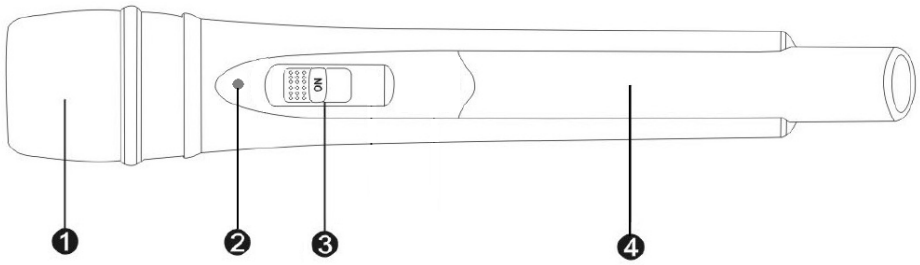
❷ XLR balanced audio output

❸ 1/4" jack unbalanced audio output

❹ DC power supply connector

❺ Antenna B connector

Handheld transmitter



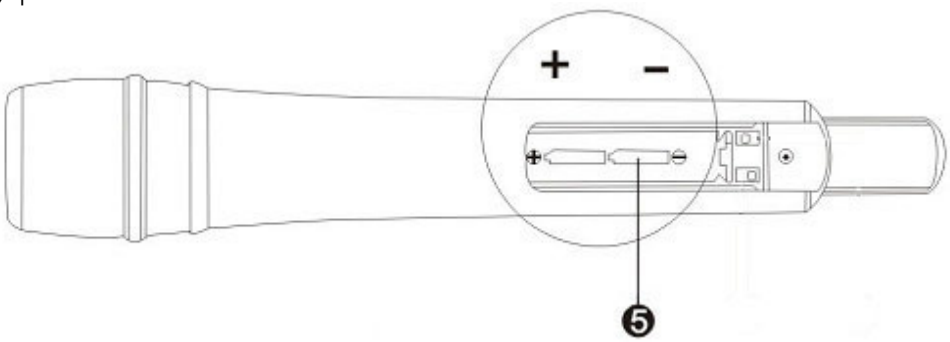
❶ Microphone head

❷ Low battery LED indicator

❸ Power on/off, mute switch

❹ Microphone body

❺ Battery port: 2 AA Alkaline batteries



Operating Menu

• Before turning on the receiver, firstly ensure that the transmitter is switched off, and then adjust receiver volume to the min.

• Lastly turn on the transmitter power, radio frequency decibel meter on the receiver will starts indicate RF level. After this, adjust receivers audio output level to suitable size and speak into the microphone, the receiver audio frequency decibel meter lightens in corresponding to microphone volume level. If voice output is not hearable and the decibel meter is not bright, overhaul transmitter and receiver.

• Distance between the receiver and the transmitter should not be too far (max. 80 meters).

• Transmitter and receiver should be in direct access and least obstacles should be met in path between them.

• When the receiver is used with omni-directional antenna, the antenna should be minimum 0.5m from the wall, and should be kept far away from any other metal constructions.

• Handheld transmitter should be grasped in the middle of full length, not too close to the microphone head or power button and not too close to base antenna position. It prevents from accidentally switching off and radio frequency suppression.

• Changing active distance between the microphone and lips may cause fluctuation in high frequency reproduction.

Receiver setup

- Put iMic W receiver on a table or other horizontal surface.(iMic receiver can also be rack mounted, using one of the Rack Mount Kits).
- Do not place the iMic W receiver near digitally controlled equipment.
- Plug the DC power supply into the power connector on the back of the receiver. Connect the other end of the power supply into an electrical outlet.
- Attach the A and B antennas to the ANTENNA connectors.
- Connect audio cable from the audio output(s) to the audio input(s) of your audio system, mixer and/or amplifier.
- Turn on the receiver by pressing the power button.

Handheld microphone setup

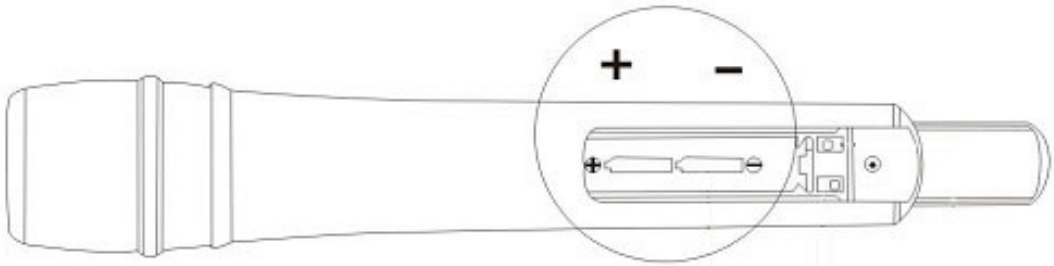
- Open the battery cover and insert 2AA alkaline batteries.
- Slide the transmitter ON/MUTE/OFF switch to the ON position. The power LED will glow for the moment.
- Slide the transmitter ON/MUTE/OF switch to the MUTE position, if the wireless system should be used in silent mode. Please note that the microphone is still consuming power when it is muted.
- If the battery indicator lamp is shining, it shows that the battery is low and needs to be replaced.
- After finished using the transmitter, switch off the power source. Remove the batteries when storing for long time.

7 Batteries installation

Handheld Transmitter

1. Open the battery cover

2. Insert the 2*AA Alkaline battery



3. Close the battery cover

8 Specifications

Specifications for system:

Carrier frequency range：
863.4MHz, 863.8MHz, 864.3MHz, 864.8MHz

Modulation：FM

Frequency stability：±0.005%

Dynamic range：>90dB

Max. Deviation：±48KHz

Frequency response：50Hz-16KHz (±3dB)

S/N ratio ：>102dB

T.H.D：<0.6% @1KHz

Working range： 100m (Note: actual range depends on RF signal absorption, reflection, and interference)

Operating temperature range：-10 ℃ -- +40℃

Receiver ：

Frequency range ：
863.4MHz, 863.8MHz, 864.3MHz, 864.8MHz

Antenna ：BNC/50Ω

Sensitivity ：-107dBm

Image rejection：>60dB

Max. Audio output：-12 dB V

Transmitter：

Antenna：built-in spiral antenna for the handle microphone

Power output ：10mW

Battery ：2*5'AA Alkaline battery